



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,260	07/24/2003	Sidney M. Weiser	SYN.P.US0039	9583

26360 7590 03/24/2005

RENNER, KENNER, GREIVE, BOBAK, TAYLOR & WEBER  
FIRST NATIONAL TOWER FOURTH FLOOR  
106 S. MAIN STREET  
AKRON, OH 44308

EXAMINER

RUDDOCK, ULA CORINNA

ART UNIT	PAPER NUMBER
----------	--------------

1771

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

47

<b>Office Action Summary</b>	<b>Application No.</b> 10/626,260	<b>Applicant(s)</b> WEISER ET AL.	
	<b>Examiner</b> Ula C Ruddock	<b>Art Unit</b> 1771	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 10-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>10/27/03</u> . | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Election/Restrictions*

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-9, drawn to a turf reinforcement mat, classified in class 442, subclass 32.
  - II. Claims 10-17, drawn to a method for erosion control, classified in class 405, subclass 302.7.

The inventions are distinct, each from the other because of the following reasons:

2. Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product can be made by another method, i.e. by extruding the non-woven mat and polymer net layers.
3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
4. During a telephone conversation with Donald Bobak on March 15, 2005, a provisional election was made with traverse to prosecute the invention of Group I, claims 1-9. Affirmation of this election must be made by applicant in replying to this Office action. Claims 10-17 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Art Unit: 1771

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

### ***Claim Objections***

6. Claim 7 objected to because of the following informalities: the word "set" in line 1 has been unnecessarily included in the claim. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bohannon, Jr. (US 6,855,650) in view of Lancaster (US 5,849,645) and Freed (US 5,326,192). Bohannon, Jr. discloses a synthetic fiber filled erosion control blanket. The netting and loose fiber filler construction permits blankets or mats of this kind to be fairly light in weight and also to permit the ingrowth of grasses and other vegetation into and through the blanket. The netting primarily serves to hold the loose fiber filler together (col 1, ln 56-61). It should be noted that the Examiner is equating the fiber filler of Bohannon, Jr. to the nonwoven mat of the present invention. The top and bottom sheets generally resemble an open-mesh material or netting and the filler material for use

in the erosion control blanket is made up of a plurality of crimped polymer fibers which form a three-dimensional matrix between the top sheet and the bottom sheet. The filler material can be made of polyethylene terephthalate (col 2, ln 44-57). The netting is formed of polyethylene, polypropylene, or other suitable polyolefin (col 3, ln 56-59). The PET fibers of the fiber filler have a denier size of about 15-500 (col 5, ln 1-2) and a length of 5.75-6.25 inches (col 6, ln 61-64). The top and bottom sheets are stitched together (col 6, ln 61-62). Bohannon, Jr. discloses the claimed invention except for the teaching that the layers are stitched with a polymer yarn and that the mat comprises multi-dimensional polymer fibers.

Freed (US 5,326,192) discloses a method for the improvement of appearance and performance characteristics of turf surfaces. The reinforcing material include fibers, such as olefins, that have rectangular, square, or multi-lobal cross-sectional configurations to further enhance soil cohesion (col 3, ln 43-53 to col 4, ln 1-13).

Lancaster (US 5,849,645) discloses a reinforced composite matting used for environmental soil erosion control (col 6, ln 28-29). The composite matting includes a bottom netting, fiber matrix, top netting that are secured together by stitching strands made of polyester black thread, thereby sandwiching and trapping the fiber matrix materials there between (col 5, ln 22-32).

It would have been obvious to have used the multi-lobal fibers of Freed and the polyester stitching thread of Lancaster in the erosion control blanket of Bohannon, Jr., motivated by the desire to create an erosion control blanket that increased soil-cohesion and increased structural integrity.


**Conclusion**

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ula C Ruddock whose telephone number is 571-272-1481. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel H. Morris can be reached on 571-272-1478. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

UCR 

  
**Ula C. Ruddock**  
Primary Examiner  
Tech Center 1700